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INTELLECTUAL PROPERTY LAW

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December 22, 1998

† ADMITTED IN MARYLAND  
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\*\* ADMITTED IN D.C.

The Assistant Commissioner of Patents  
Washington, D.C. 20231

- ☐ U.S. Postal Service  
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☐ Via E-Mail Attachment  
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Attorney Docket: P55501

Sir:

Submitted herewith is the following patent application:

**Inventor(s): En-Seung KANG and Jin-Young BYUN**

**Title: THE DIGITAL CONTENT ENCRYPTION APPARATUS AND METHOD THEREOF**

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 17 sheets, Figures 1 through 23B

Claim of priority under 35 U.S.C. §119: YES

REPUBLIC OF KOREA Application No(s). 98-39808 and 98-39809 filed in Korea on 24 September 1998.

Fee (see formula below): **CHECK IS ENCLOSED**

Basic Fee \$380/760 ..... \$760.00

Additional Fees:

Total number of claims in excess of 20 49 times 9/18 (49X18) ..... \$882.00

Number of independent claims

in excess of 3: 13 times \$39/78 (13X78) ..... \$1,014.00

Multiple Dependent Claims 3 times \$130/260 (3X260) ..... \$780.00

An Assignment is likewise enclosed: Recording Fee \$40 .. \$00.00

Filing Non-English specification ..... \$ 0.00

**TOTAL FEES FOR THE ABOVE APPLICATION ..... \$3,436.00**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

En-Seong Kang, et al.

Serial No.: *To Be Assigned*

Examiner: *To Be Assigned*

Filed: December 22, 1998

Art Unit: *To Be Assigned*

For: THE DIGITAL CONTENT ENCRYPTION APPARATUS AND METHOD  
THEREOF

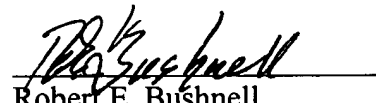
**TRANSMITTAL OF DECLARATION**

The Assistant Commissioner  
of Patents  
Washington, D.C. 20231

Sir:

Accompanying this transmittal is a Declaration for the above-referenced application.

Respectfully submitted,



Robert E. Bushnell

Reg. No.: 27,774

Attorney for the Applicant

1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005-1202  
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Folio: P55501  
Date: 12/22/98  
I.D.: REB/lj

RECEIVED 12/22/98

Assistant Commissioner of Patents  
December 22, 1998  
Page Two

Docket No.: P55501

**Inventor(s): En-Seung KANG and Jin-Young BYUN**

**Title: THE DIGITAL CONTENT ENCRYPTION APPARATUS AND  
METHOD THEREOF**

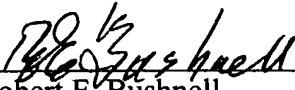
Should the enclosed check become lost or detached from the file, the Commissioner is authorized to charge Deposit Account No. 02-4943 for the fees incurred. Also, kindly charge any underpayment or credit any excess payment, and notify the undersigned attorney of any transaction regarding our Deposit Account accordingly.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
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Suite 300  
Washington, D.C. 20005

Respectfully submitted,

  
\_\_\_\_\_  
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Filio: P55501  
Date: December 22, 1998  
REB/lj

0021792-1-260

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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
 These are the fees effective October 1, 1997.  
 Small Entity payments must be supported by a small entity statement,  
 otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
 See 37 C.F.R. §§1.27 and 1.28.

## Complete If Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | To be Assigned    |
| Filing Date          | December 22, 1998 |
| First Named Inventor | En-Seong KANG     |
| Examiner Name        | To be Assigned    |
| Group/Art Unit       | To be Assigned    |
| Attorney Docket No.  | P55501            |

AMOUNT OF PAYMENT

(\$)3,476.00

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943  
 Deposit Account Number: \_\_\_\_\_

- ☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. ☐ Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance.

## 2. ☒ Payment Enclosed:

- ☒ Check ☐ Money Order ☐ Other  
 (CHECK No(s). 26437 and 26454)

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity | Small Entity |          |          |                        |                    |
|--------------|--------------|----------|----------|------------------------|--------------------|
| Fee Code     | Fee (\$)     | Fee Code | Fee (\$) | Fee Description        | Fee Paid           |
| 101          | 790          | 201      | 395      | Utility filing fee     | \$760.00           |
| 106          | 330          | 206      | 165      | Design filing fee      | \$                 |
| 107          | 540          | 207      | 270      | Plant filing fee       | \$                 |
| 108          | 790          | 208      | 395      | Reissue filing fee     | \$                 |
| 114          | 150          | 214      | 75       | Provisional filing fee | \$                 |
| SUBTOTAL (1) |              |          |          |                        | (\$) <u>760.00</u> |

### 2. EXTRA CLAIM FEES

|                    |    |      | Extra Claims | Fee from below | Fee Paid  |
|--------------------|----|------|--------------|----------------|-----------|
| Total claims       | 69 | 20   | 49           | x 18           | = \$882   |
| Independent Claims | 16 | 3    | 13           | x 78           | = \$1,014 |
| Multiple Dependent | 3  | x260 |              |                | = 780.00  |

\*\* or number previously paid, if greater; For Reissues, see below

| Large Entity | Small Entity |          |          |  |  |
|--------------|--------------|----------|----------|--|--|
| Fee Code     | Fee (\$)     | Fee Code | Fee (\$) | Fee Description  |  |
| 103          | 22           | 203      | 11       | Claims in excess of 20                                     |  |
| 102          | 82           | 202      | 41       | Independent claims in excess of 3                          |  |
| 104          | 270          | 204      | 135      | Multiple dependent claim, if not paid                      |  |
| 109          | 82           | 209      | 41       | ** Reissue independent claims over original patent         |  |
| 110          | 22           | 210      | 11       | ** Reissue claims in excess of 20 and over original patent |  |

SUBTOTAL (2) (\$)2,676.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity              | Small Entity |          |          |  |          |
|---------------------------|--------------|----------|----------|--|----------|
| Fee Code                  | Fee (\$)     | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
| 105                       | 130          | 205      | 65       | Surcharge-late filing fee or oath  | \$       |
| 127                       | 50           | 227      | 25       | Surcharge-late provisional filing fee or cover sheet                       | \$       |
| 139                       | 130          | 139      | 130      | Non-English specification  | \$       |
| 147                       | 2,520        | 147      | 2,520    | For filing a request for reexamination                                     | \$       |
| 112                       | 920*         | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     | \$       |
| 113                       | 1,840*       | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        | \$       |
| 115                       | 110          | 215      | 55       | Extension for reply within first month                                     | \$       |
| 116                       | 400          | 216      | 200      | Extension for reply within second month                                    | \$       |
| 117                       | 950          | 217      | 475      | Extension for reply within third month                                     | \$       |
| 118                       | 1,510        | 218      | 755      | Extension for reply within fourth month                                    | \$       |
| 128                       | 2,060        | 228      | 1,030    | Extension for reply within fifth month                                     | \$       |
| 119                       | 310          | 219      | 155      | Notice of Appeal   | \$       |
| 120                       | 310          | 220      | 155      | Filing a brief in support of an appeal                                     | \$       |
| 121                       | 270          | 221      | 135      | Request for oral hearing   | \$       |
| 138                       | 1,510        | 138      | 1,510    | Petition to institute a public use proceeding                              | \$       |
| 140                       | 110          | 240      | 55       | Petition to revive - unavoidable   | \$       |
| 141                       | 1,320        | 241      | 660      | Petition to revive - unintentional   | \$       |
| 142                       | 1,320        | 242      | 660      | Utility issue fee (or reissue)   | \$       |
| 143                       | 450          | 243      | 225      | Design issue fee   | \$       |
| 144                       | 670          | 244      | 335      | Plant issue fee  | \$       |
| 122                       | 130          | 122      | 130      | Petitions to the Commissioner  | \$       |
| 123                       | 50           | 123      | 50       | Petitions related to provisional applications                              | \$       |
| 126                       | 240          | 126      | 240      | Submission of Information Disclosure Statement                             | \$       |
| 581                       | 40           | 581      | 40       | Recording each patent assignment per property (Times number of properties) | \$40.00  |
| 146                       | 790          | 246      | 395      | Filing a submission after final rejection (37 C.F.R. §1.129(a))            | \$       |
| 149                       | 790          | 249      | 395      | For each additional invention to be examined (37 C.F.R. §1.129(b))         | \$       |
| Other Fee (specify) _____ |              |          |          |  | \$       |
| Other Fee (specify) _____ |              |          |          |  | \$       |

\*\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

## SUBMITTED BY

|                       |                           |                         |                   |
|-----------------------|---------------------------|-------------------------|-------------------|
| Typed or Printed Name | Robert E. Bushnell, Esq.  | Reg. Number             | 27,774            |
| Signature             | <i>Robert E. Bushnell</i> | Date                    | December 22, 1998 |
|                       |                           | Deposit Account User ID |                   |